



West Nile Virus and Other Arboviral Diseases: 2017

Los Angeles County Epidemiology Report #10

October 5, 2017



Table 1. Characteristics of WNV Cases: LAC, 2017

Number of Infections ¹	Asymptomatic Donor	Clinical Presentation			Hospitalized	Deaths	Demographics	
		WNV Fever	Neuroinvasive Disease	Neuroinvasive Diagnosis			Gender M/F	Median Age (Range)
Reported This Week	33	1	8	24	16 = Encephalitis 7 = Meningitis 1 = AFP ²	29	2	21/12 61 (8-94)
Year Total	154	11	23	120	63 = Encephalitis 49 = Meningitis 8 = AFP ²	133	10	100/54 63 (8-96)

¹Count confirmed by LAC DPH as of 10/05/17. Excludes reports from Long Beach and Pasadena. Totals are provisional and subject to change.

²Acute Flaccid Paralysis

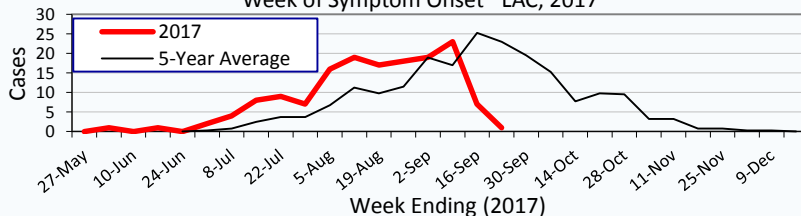
West Nile Virus (WNV): This week, 33 new WNV cases were documented in Los Angeles County (LAC) including two fatalities (Table 1). Both fatalities were elderly patients who died due to neuro-invasive WNV infection. They resided in Arcadia and West Hollywood. Of the total 33 cases this week, nearly half had onset dates in mid-September and most resided in the San Fernando Valley. The number of cases with onset of illness through mid-September is higher than the previous 5-year average (Figure 1). Preliminary information indicates that WNV is occurring throughout LAC (Table 2). LAC is currently within the peak months of transmission. In 2017 to date, there has been 154 WNV cases with 10 deaths and 11 asymptomatic donors. For information about past WNV seasons in LAC visit the [ACDC WNV webpage](#). Nationally, 1,175 human cases have been [reported to the CDC](#) excluding asymptomatic blood donors (n=174). Physicians are strongly encouraged to review mosquito precautions with their patients.

Table 2. Recent WNV Reports by Cities of Residence, LAC, 2017¹

Arcadia	La Mirada	North Hollywood	Valley Village
Arleta	La Puente	Norwalk	West Covina
Azusa	La Verne	Panorama City	West Hollywood
Beverly Hills	Lawndale	Rowland Heights	Whittier
Burbank	Lomita	San Fernando	Wilmington
Cerritos	Los Angeles	San Pedro	Woodland Hills
Cudahy	Lynwood	Santa Clarita	
El Monte	Manhattan Beach	Sherman Oaks	
Glendale	Monterey Park	Tarzana	

¹WNV positive laboratory results received in past 7 days as of 10/05/17. Excludes Long Beach and Pasadena. Reports are provisional. For a complete list of cities please visit [our webpage](#).

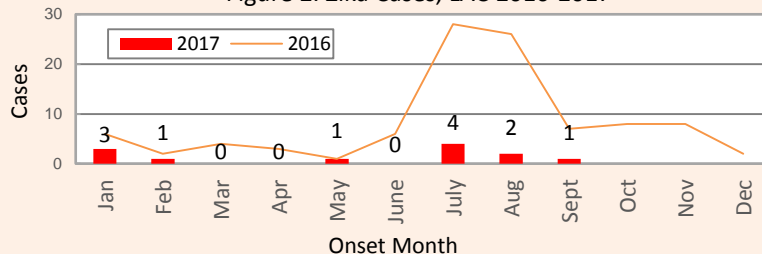
Figure 1. WNV Cases by Week of Symptom Onset* LAC, 2017



*Asymptomatic blood and organ donors listed by date of donation. Due to reporting delays recent weeks are not complete.

Zika: Since 2015, LAC DPH has identified 118 total cases of Zika virus infection. Only 12 cases have been reported in 2017 (Figure 2). All 2017 cases acquired their infection while traveling outside the US (Table 3). Since 2015, 22 pregnant women with Zika infection have been identified in LAC, all of whom acquired their infection during travel to Mexico or Latin America. For more information on Zika visit the [ACDC Zika webpage](#).

Figure 2. Zika Cases, LAC 2016-2017



Testing Guidance by Areas of Zika Transmission or Risk

CDPH has published [a list of countries and territories](#) with active Zika transmission or risk that should be used to determine travel exposure for asymptomatic and symptomatic pregnant women as well as other symptomatic patients in California. For California patients, CDPH and LAC DPH are maintaining the previous Zika recommendations to test all asymptomatic pregnant women with recent possible Zika virus exposure. Any symptomatic patient with possible Zika exposure should continue to be tested. Please also see the [LAHAN](#) for details on the most current testing guidelines for pregnant women. Note the local health departments may adopt recommendations that differ from CDC due to local considerations.

Table 3. Zika Cases by Region of Exposure - LAC, 2017*

Mexico	Guatemala
El Salvador	Costa Rica
Thailand	Philippines

*This does not represent all areas with Zika risk. Routinely visit the [CDC Traveler's Health](#) webpage to view a world map.